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5/91

Hatch's Click Beetle

Eanus hatchi

Range:

Lowland sphagnum bogs of northwest Washington (Johnson 1979).

Washington Distribution:

Historically known from Snohomish County and King County. Currently confirmed only in King County (Johnson 1984).

Habitat Requirements:

Hatch's click beetles inhabit eutrophic sphagnum bogs in or near lakes below 1,000m (3280'). They have been collected in very low, floating mats of vegetation in pure sphagnum bogs (Lane 1938). Larvae have been found near the bog margins, above the water line (Lane 1971). Adults probably feed on honey dew, pollen, nectar, and small soft insects. Larvae probably are plant and small insect predators (Johnson, pers. comm.).

Limiting Factors:

Unknown.

Managements Recommendations:

Prevent all activities that might alter the condition of sphagnum bogs where Hatch's click beetles occur. These include peat mining, filling, draining, construction within the bogs, and other activities. Changing the natural water level or flow rate within the bogs should also be prevented.

Insecticides, and herbicides that could damage wetland vegetation, should not be applied in sphagnum bogs. Persons wanting to apply chemicals to adjoining lands should not apply them if stormwater runoff or wind drift will carry the chemicals into the bog. Stormwater runoff should not be diverted into sphagnum bogs. Decisions about chemical applications should be made on a site specific basis and should consider type of chemical used, season, topography and other relevant features.

Exotic fish could potentially prey upon beetle larvae and should not be introduced into wetlands occupied by Hatch's click beetles.

References:

Comstock, J.H. 1960. An introduction to entomology. Comstock Publishing Ass., New York, NY.

Lane, M.C. 1971. In: M.H. Hatch, The beetles of the Pacific Northwest. Univ. of Washington Publications in Biology 16:28-29.

Johnson, P.J. 1979. A report on a survey for Beller's ground beetle on the North Fork of the Snoqualmie River, King County, WA. Unpublished report for the U.S. Army Corp of Engineers, Seattle District, #DACW 67-79-M-1189.

_____. 1984. Letter on file with the Washington Department of Wildlife, Nongame Division.

Lane, M.C. 1938. A new species of the genus Eanus (Coleoptera Elateridae). Pan-Pacific Ent. 14(4): 188-189.

Key Points:

Habitat Requirements:

- Inhabit sphagnum bogs associated with lakes below 1000 m (3300') elevation.

Management Recommendations:

- Avoid activities that may alter the condition of sphagnum bogs (e.g., peat mining, filling, draining, construction).
- Avoid altering the natural water level or flow rate within sphagnum bogs.
- Avoid applying insecticides or herbicides in or near sphagnum bogs.
- Avoid diverting stormwater runoff into sphagnum bogs.
- Do not introduce exotic fish into lakes or wetlands associated with sphagnum bogs.